

# *The MINERvA Operations Report*

Nuruzzaman

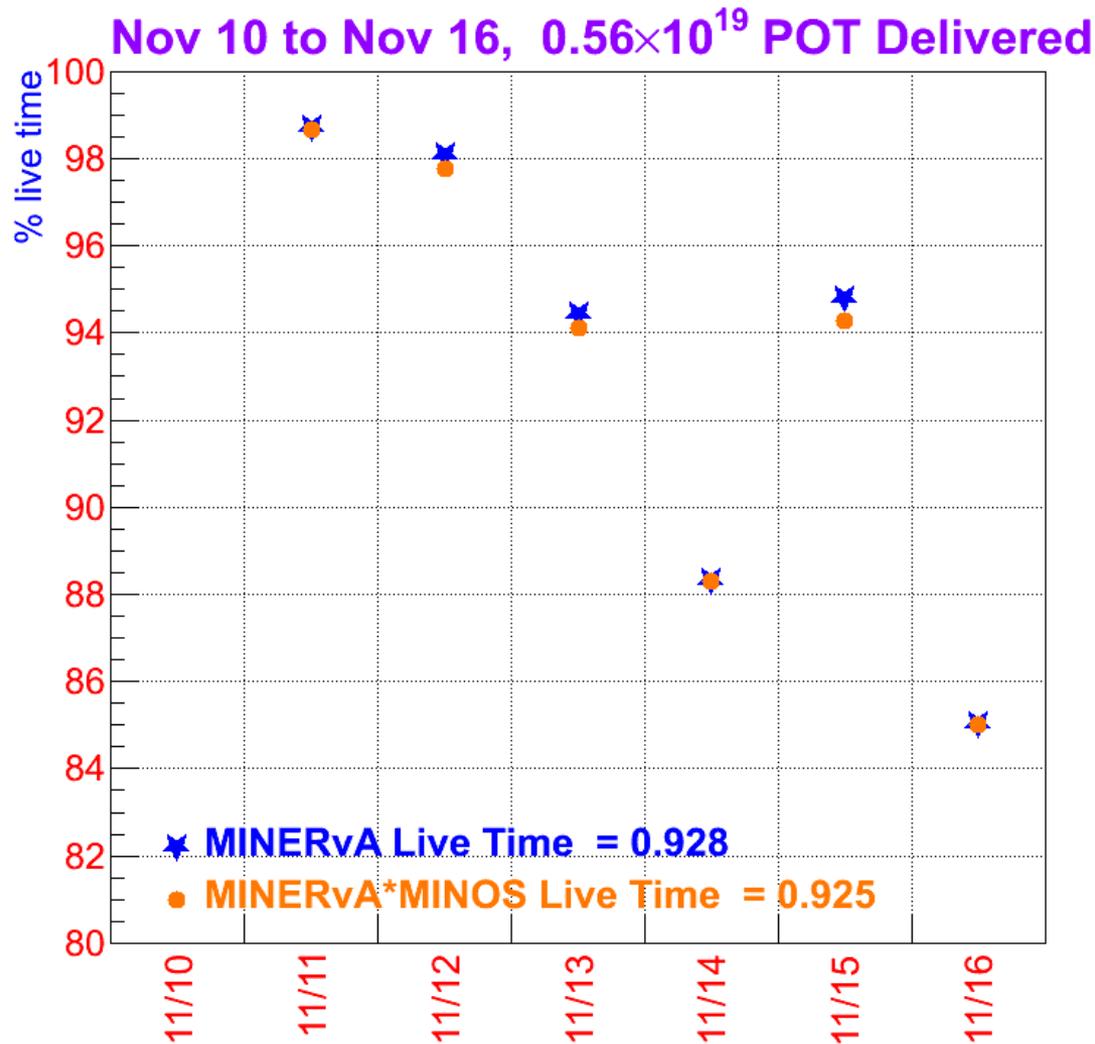
(<https://userweb.jlab.org/~nur/>)

for the MINERvA Collaboration

All Experimenters Meeting

21 November 2016





## Live Time: Nov 10-16, 2016

- $0.56 \times 10^{19}$  POT
- MINERvA 92.8%
- MINERvA\*MINOS 92.5%
- Few missing files are yet to be processed
- We were working on the online monitoring upgrade

# Nearline Upgrade

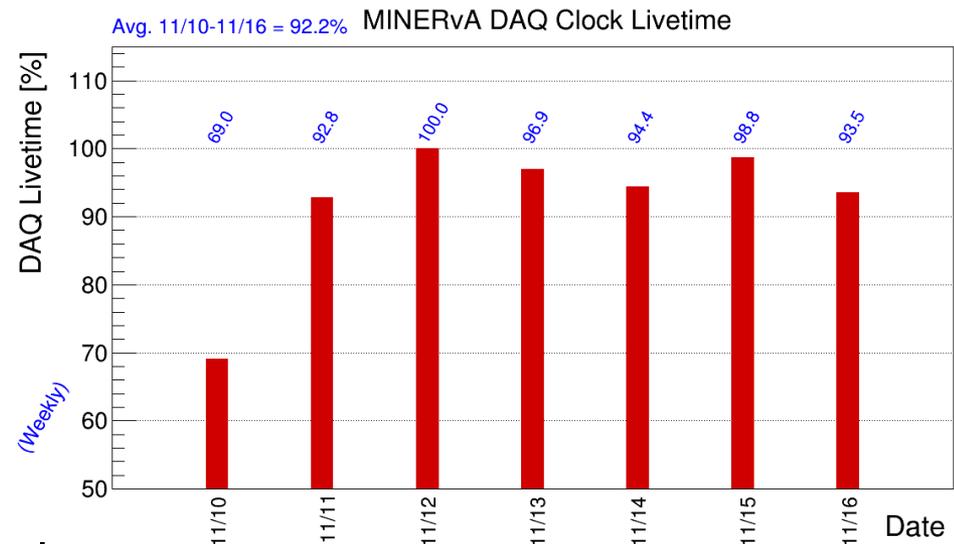


## Nearline Issues

- In the process of updating the nearline with the latest version of the unpacking software on logger4 machine (master node on SLF5 OS) the system got corrupted
- We tried to build the software on SLF5 but didn't work

## New Nearline Structure

- ✓ Restructured nearline on SLF6
- ✓ Nearline is back to normal and producing monitoring plots and they look ok
- ✓ Ran DAQ without monitoring and took data during nearline development and data looked good



Thanks for the support from the SLAM group [SCD]



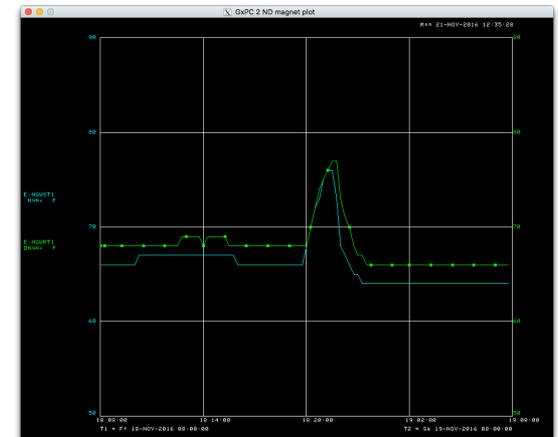
## Replaced the Roof

- MINERvA roof structure that protects the detector electronics from water leak at MINOS hall was replaced this morning
  - The roof was removed during the summer shutdown for various hardware replacements and Front End Board firmware update
  - Everything looks good after the roof back in place

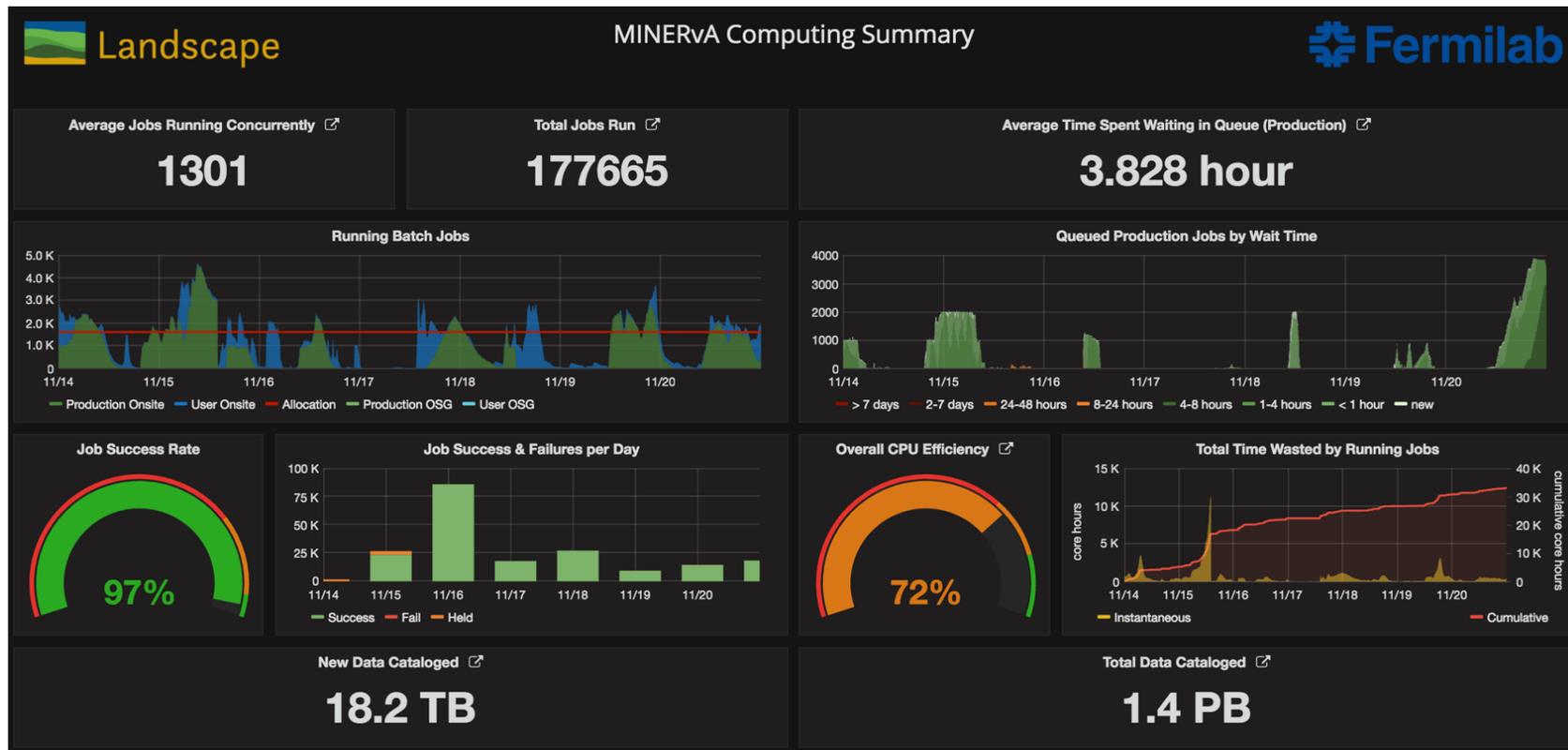
## Chiller Fail

- ✓ MINOS chilled water loop warmed up on the night of 18 Nov. The water is used to cool the magnet and electronics
- ✓ So the MINOS magnet and DAQ was turned off and waited overnight to cool down
- ✓ The temperature came back to normal next morning and the magnet and DAQ were turned on, taking data since

Thanks Steve Hahn [ND]



# Computing



- Average concurrent jobs ~10% higher than quota
  - ✓ Production is currently active
- Success rate was very good
- Efficiency is lower
  - There were occasional known MINOS DB hiccups
  - Input output overhead and slow dCache during the weekend

Period 11/14-11/20



---

# Thank You